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5 PEBBLE PROJECT

6 SCOPING MEETING

7 NAKNEK, ALASKA

8 Taken April 9, 2018
9 Commencing at 3:30 p.m.

10 Volume I - Pages 1 - 67, inclusive

11 Taken at
12 Naknek School
13 Naknek, Alaska
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22 Reported by:
23 Mary A. Vavrik, RMR
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A-P-P-E-A-R-A-N-C-E-S

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BE IT KNOWN that the aforementioned proceedings were taken
at the time and place duly noted on the title page, before
Mary A. Vavrik, Registered Merit Reporter and Notary
Public within and for the State of Alaska.

1 P-R-O-C-E-E-D-I-N-G-S

2 MR. SHANE MCCOY: Good evening, everybody.
3 Hey, thank you, guys. First of all, ladies and gentlemen,
4 I would like to thank you on behalf of the United States
5 Army for participating in the scoping process for the
6 Pebble Limited Partnership proposed mine and construction
7 and port facility. As there are many individuals who
8 would like to provide input into the scope of our
9 document, we ask that you please be respectful of others
10 as they participate. Your input will be used to inform a
11 range of alternatives, the resource issues to be analyzed,
12 methods used for analysis, and potential mitigative
13 measures throughout the evaluation of the Department of
14 the Army permit application.

15 The United States Army Corps of Engineers is neither
16 a proponent nor an opponent to the project. We are
17 required to review the permit application and will serve
18 as the lead federal agency for the environmental impact
19 statement level of analysis. In addition to the Corps,
20 there are two others federal agencies that will need to
21 evaluate the proposed impacts and make subsequent
22 decisions. These agencies are the United States Coast
23 Guard and the Department of Interior's Bureau of Safety
24 and Environmental Enforcement. The three federal agencies
25 will use the same environmental impact statement to inform

1 our federal decisions.

2 We're here tonight because the first step in writing
3 the environmental impact statement is to determine what we
4 should analyze in the document. This is the process
5 called scoping. The potential impacts associated with the
6 applicant's proposed discharge of dredge and fill
7 material, for the construction of the mine, associated
8 infrastructure and closure activities are described in the
9 Department of the Army permit application and are of
10 primary importance to the scope of our document. The
11 framework of our document must have a nexus to the
12 proposed impacts under our jurisdiction or the other two
13 federal agencies.

14 We have posters and a video to describe the proposed
15 project in the rear of the room, and I'd encourage you to
16 take a look at those and watch the video. The video will
17 also be posted on the project's website,
18 pebbleprojecteis.com.

19 You can provide your input into what we should
20 analyze in several ways. There are computers in which you
21 can directly input your comments, including a mapping
22 feature which will help identify the physical location of
23 the resource or issue that you are trying to identify.
24 You may speak directly to the court reporter, or you may
25 use the mic and provide public testimony, but only one of

1 those at a time because we only have one court reporter.
2 And if you are presenting to the court reporter, please
3 speak clearly and slowly. And if you have written
4 documents prepared ahead of time, please provide them to
5 her, as well. Or you may go online at another time and go
6 directly to the project website and enter your comments
7 into the public website, as I described earlier.

8 Please understand that all comments and information
9 that you disclose are public -- will be publicly available
10 in as real time as possible on that website, as well. All
11 comments will be limited to three minutes. And if you
12 choose to listen to others who are speaking their comments
13 to the court reporter, please limit the background noise
14 for the ease of the reporter to precisely record the
15 individuals that are speaking.

16 That is my conclusion. So at this time we will
17 proceed according to whom came in first and wrote down
18 their name to provide comment.

19 Katie, who is the first person? Oh, let me also say
20 this. So also in attendance tonight is Kate McCafferty,
21 project manager with the Corps of Engineers, three
22 individuals from AECOM, who is the third-party contractor
23 tasked to help us develop the EIS level of analysis, and a
24 representative from the State of Alaska. Katie and myself
25 are available to discuss our process. Kyle is available

1 to talk about the State and their process. And any of the
2 individuals I identified, including our Yup'ik speaker in
3 the back, are available to take any written comments, as
4 well.

5 Again, I'd like to thank you on behalf of the United
6 States Army for coming tonight and participating in the
7 public process. My name is Shane McCoy, by the way. I'm
8 the program director. Thank you.

9 Maureen Knutsen.

10 MS. MAUREEN KNUTSEN: I just want to --
11 first of all, I want to say that the loss of salmon
12 bearing streams is, like, a really negative impact that I
13 worry about because every little stream that has salmon in
14 it is important to the total run that we have, so that
15 needs all -- any streams or water that are going to be
16 negatively impacted need to be assessed for whether there
17 is salmon in them or not.

18 And I worry about the noise and the dust from the
19 construction and the mining operations affecting, like,
20 the moose and caribou because my husband and I -- my
21 husband is a lifelong resident here, and I have been here
22 since 1975, and we pretty much depend on mainly salmon for
23 our subsistence and our income as commercial fishermen and
24 also what we -- that's what we eat all winter, you know,
25 salmon, moose and caribou.

1 The other thing that I worry about is our local
2 economy. You know, the -- our borough is founded on a raw
3 fish tax and property tax. Those are the things that
4 provide, like, the money to -- for our community to
5 function. And I feel like any negative impacts on the
6 salmon and the price of salmon is going to negatively
7 affect our local government and our local communities.

8 And the other thing -- and I wanted to say that,
9 like, when the EPA was taking comments however many years
10 ago that was, they did a lot of science and studies and
11 stuff, and I hope that you guys can incorporate a lot of
12 that information because it's -- it's still pertinent to,
13 you know, the impacts of this project even with the
14 different things added in, like the pipeline and the
15 smaller mine footprint.

16 And the other thing I want to comment on is that I'm
17 afraid that, like, this is going to be like opening a can
18 of worms because I don't see how they can profitably, you
19 know, mine this deposit knowing that it is a huge, huge
20 deposit that's, like, a lot of low grade ore. So they are
21 not going to be able to be profitable with just the little
22 mine pit that they are talking about. They are going to
23 have to, like, expand it at some point. And so to me it's
24 like -- it's just not the right place to have a mine.
25 They could have that mine, like, maybe in 50 or 100 years

1 if there is no salmon here anymore or something like that,
2 but the salmon is a real resource, and that is, like, of
3 way higher value than this foreign company's profits.

4 So that's what I have to say.

5 MR. SHANE MCCOY: Is Henry Fischer here?

6 MR. HENRY FREDERICK FISCHER, JR.: My name
7 is Henry Frederick Fisher, Jr. I was born December 25,
8 1944 in Kvichak Cannery. My father delivered me. You
9 could see me out there chasing my brothers and sisters.
10 At the age of 12, Yeager Edgerton was a friend of my
11 father's, and I also know Yeager. He took me fishing,
12 paid me a \$100 to steer the boat at the age of 12. At the
13 age of 15, I began to skipper. I have been fishing ever
14 since. This summer it will be 61 years for me without
15 missing a season. There's not many people in this
16 auditorium that can say that. Mr. Hanson? No?

17 I have been feeding the world for 61 years coming
18 this summer. The world, not just Bristol Bay. Our canned
19 salmon went all over this world in the days when they used
20 to can fish. And I worked at the Slope. I was one of the
21 first Natives on the Slope on oil rigs. I know what
22 reserve pits are. I know that chemicals are deposited
23 there.

24 Now, Pebble Mine, the first mine they said will last
25 50 years. Well, I have been feeding the world more than

1 50 years. Not only that small, 20 -- 20 years, they said.
2 What is 20 years? Five years ago I had four generations
3 of fishers on my boat: Me as the second generation, my
4 twin boys, that is third, and my grandson as the fourth on
5 my boat fishing here in Bristol Bay. And I don't know
6 when I'm going to retire. I guess when I can't climb
7 ladders no more to get on and off of the dock or get into
8 the boat. But I know what chemical waste is. I did 11
9 years up on the Slope on that. And if something ever
10 happens with Pebble Mine is going to do here -- an
11 earthquake. Well, they don't have earthquakes here. Hey,
12 you know, they don't know what's going to happen 1,000
13 years from now. And that chemical stuff will still be
14 there in the ground.

15 Now, if it shakes loose of anything like that there,
16 there's a drainage over to the left, to the west, the
17 Nushagak River. And our drainage here is the Kvichak
18 River, but coming out of Iliamna Lake. There is more fish
19 in this whole globe that's -- you know, that spawn.
20 Iliamna Lake was one of the biggest ones, and the Nushagak
21 district with their lakes. But to me, this mine should
22 never be -- it shouldn't even spud in, really, you know.
23 Thank you.

24 MR. SHANE MCCOY: William Regan.

25 MR. WILLIAM REGAN: Thank you for the

1 opportunity to speak. My name is William Regan. I
2 retired about two years ago. I have a family. I rose
3 them up here. We love this place. My opinion on this
4 mine is no. I see it as a temporary job sink. It's a
5 finite thing. It's something that's already caused a
6 division. You can see it amongst families, amongst
7 friends. We just don't need it.

8 It's not one of those things that keeps going on.
9 Our red salmon fishery is going on and on. It supplies as
10 many jobs -- maybe not the profitable ones; some of them
11 are good, some of them are bad. That's the way it goes.
12 But it has put work out for a long time.

13 The only thing this mine is going to leave is a scar.
14 When it's all said and done, we are going to have a bomb
15 up there that's going to kill off one side or the other,
16 maybe both. We just can't -- it shouldn't happen.

17 It doesn't just affect us locals here. It affects
18 everybody. It affects this whole bay. It affects this
19 whole state; probably the whole country and the whole
20 world. It's salmon. It's just too much to risk.

21 One of my dear old friends -- he's gone now, but you
22 know, he always said too much of no good, plenty all
23 right. And it's an old Native saying. It's just, like,
24 how much do you need, dude?

25 So thank you.

1 MR. SHANE MCCOY: Dorothy Larson.

2 MS. DOROTHY LARSON: Good afternoon. My
3 name is Dorothy M. Larson. I'm from Dillingham and
4 Anchorage. I'm a Bristol Bay Native Corporation board
5 member, as well as a shareholder of Choggiung Limited and
6 a tribal member of the Curyung tribe. Thank you for this
7 opportunity to provide my comments.

8 I will focus today primarily on the necessity for the
9 protection and sustainability of the critical subsistence
10 lifestyle for the resources provided for the health and
11 well-being of the people who depend also on the resource
12 of the commercial salmon fishery. Our family has
13 collected subsistence resources from the land and waters
14 of the Nushagak, Wood, Mulchatna rivers, as well as Togiak
15 and Ekuk and the lakes near Dillingham. I also partake of
16 the resources near Anchorage, Fairbanks and the Kenai
17 areas.

18 As an example, my family consists of six children,
19 their families, which number nearly 30 grandchildren and
20 15 great grandchildren, and many extended family members
21 with whom we share our subsistence resources which we
22 harvest and collect from the waters and the lands. We use
23 thousands of pounds of subsistence resources. The Bristol
24 Bay Native Association and the subsistence division of the
25 State of Alaska have studied the subsistence use and

1 consumption of said users. As for my family, I believe we
2 use much more than those studies estimate. I encourage
3 the Army Corps to use their reports and data in developing
4 the draft EIS.

5 My large family consumes hundreds and hundreds of
6 pounds of salmon, other fishes, shellfish and most species
7 of berries, birds, porcupine and wild game and wild
8 greens, all rich in nutrients. Some of these greens and
9 teas are harvested for traditional medicinal purposes. We
10 barter and trade within regional boundaries, as well as
11 beyond our boundaries. I trade with family and friends
12 from Bethel, Kotzebue, Barrow and southeast areas in the
13 state. The Army Corps should consider all subsistence
14 users inside and outside the Bristol Bay area in the draft
15 EIS and the cascading impact the mine will have on all
16 subsistence users throughout the state.

17 Our family not only are subsistence users and
18 fishers. We participate in the commercial fishery and,
19 like many other Alaskans who obtain their fish by the rod
20 and reel, we sports fish. We preserve our food not only
21 by the traditional methods; we have learned to make
22 varieties much like what you can buy off the grocery store
23 shelves.

24 If we didn't have our subsistence resources to
25 supplement the food supply, we would be very unhealthy and

1 malnourished. I was a commercial set net fisher on Ekuk
2 Beach for over 50 years, inheriting my fishing set net
3 site from my mother who fished until she was in her 80s.
4 My sons and their sons and daughters have fished since
5 they were about eight or nine years old, and still
6 continue to do so today. They fished in the rivers in
7 Naknek, Kvichak, Egegik, the Nushagak, Wood, and Togiak
8 areas.

9 When the Exxon Valdez spill occurred, it impacted
10 drastically the price of our rich salmon fishery in the
11 bay, though our fish weren't tainted by the spill. To
12 this day, the price of the late '80s has not recovered.

13 The Corps should consider the impacts of any U.S. oil
14 spill should a shipping accident occur both at the port
15 side and Cook Inlet and the Iliamna Lake and the impacts
16 this would have on all fisheries: subsistence, sports and
17 commercial.

18 If there ever was a mining tragedy or failure of the
19 tailings containment which would contaminate large areas
20 of critical habitat, harming salmon spawning areas as well
21 as the water, plants, and animal feeding areas, this would
22 kill the salmon fishery in Bristol Bay. It would create
23 the most devastating economic disaster, impacting many
24 other businesses such as the tourist, transportation and
25 service industries. These would have a snowball effect on

1 almost everyone in the region, as well as in the state.

2 The Army Corps should analyze potential for impacts from
3 the tailings failure for 10,000 years into the future.

4 Many of the families depend wholly on commercial and
5 subsistence fisheries. Many have gotten a western
6 education and training. I relied on higher education to
7 help to add to the family income. One of the most
8 satisfying tasks I had for many winters was working for
9 the Alaska Legislature. I worked for the -- on the
10 Interim Committee on Subsistence. After the interim work
11 was completed -- and we did much of the same as the Corps
12 is doing right now. We conducted hearings from east to
13 west and north to south across the state of Alaska. With
14 the input that was gathered from the residents across the
15 state, the result was the subsistence data was promulgated
16 in statute. I encourage you to use this data in
17 developing the draft EIS.

18 Pebble's impact to subsistence and commercial fishing
19 activities cannot be mitigated away. The impacts will
20 negatively impact communities and people for generations.
21 I recommend the Army Corps adopt the no action alternative
22 in the draft EIS.

23 Please be diligent in analyzing the data. Do not
24 leave any stones unturned to ensure that the Pebble
25 Project is thoroughly vetted and that every issue is

1 examined.

2 My last comment and recommendation would be that you
3 allow those communities of Dillingham, Homer and Anchorage
4 to provide oral testimony with the extension time now
5 allowed. Hearings in the Washington, Oregon and
6 California area might also be a suggestion to hear the
7 testimony of those out of region who commercial fish in
8 Bristol Bay.

9 Thank you again for the opportunity to provide my
10 comments on behalf of myself and family.

11 MR. SHANE MCCOY: Paul Hansen.

12 MR. PAUL HANSEN, SR.: My name is Paul
13 Hansen, Sr., a Bristol Bay resident. I hold a Bristol Bay
14 salmon fishing permit, and I am a subsistence resource
15 salmon user, hunter and commercial fisher. Thank you for
16 allowing me the opportunity to testify today.

17 Clean waters for salmon spawning in natal waters is a
18 wetland that requires returning five species of salmon to
19 be free of chemicals, dredge material, tailings and heavy
20 metals that can affect water quality above and below
21 groundwater aquifers. The proposed area is in the middle
22 of two major spawning areas for salmon. Number one, the
23 Upper Talarik Creek and the Lower Talarik Creek which
24 drain into Iliamna Lake and then into the Kvichak River.
25 That's one major spawning area. Two, the Koktuli and into

1 the Mulchatna and then onto the Nushagak River. That's
2 two major spawning areas that most of our salmon migrate
3 from year after year.

4 The road and proposed deepwater port in Cook Inlet
5 where the power and other requirements for this mine's
6 needs could be affected -- could affect the low population
7 of migratory belugas of Cook Inlet and their diet which
8 they feed on for them.

9 In closing, salmon in Bristol Bay has supported the
10 local Native culture for centuries without harm to the
11 resource.

12 Thank you for protecting Bristol Bay's clean water
13 and clean air resources.

14 Respectfully, thank you. Paul.

15 UNIDENTIFIED FEMALE SPEAKER: I'm going to
16 submit comments on the extended period of time. I'm going
17 to do comments on the extended -- that you extended till
18 June 1 or something?

19 MR. SHANE MCCOY: Yeah. I guess two
20 things. Up here we have depicted as our scoping period
21 comment period ending April 30th. We -- as of last
22 Friday, we extended it another 60 days. So the comment
23 period is open until 29 June. And then as I'm watching
24 the growing number, there is still -- just a reminder.
25 I'm not -- obviously you have your -- there are the

1 computers still available if anybody would like to enter
2 directly into that, as well.

3 But you are not Sharon Thompson?

4 MS. MARILYN HANSEN: No. I'm Marilyn
5 Hansen.

6 MR. SHANE MCCOY: Did you sign up?

7 MS. MARILYN HANSEN: I signed it, but I'm
8 not going to do a public comment like this. I'm going to
9 opt out and do a written and submit it within the time
10 frame.

11 MR. SHANE MCCOY: Okay. Thank you.

12 MS. SHARON THOMPSON: I'm Sharon Thompson,
13 and I'm going to submit mine online, too, so we can move
14 this along.

15 MR. SHANE MCCOY: Abe Williams.

16 MR. ABE WILLIAMS: I'm not commenting.

17 MR. SHANE MCCOY: Richard Russell.

18 MR. RICHARD RUSSELL: My name is Richard
19 Russell. I'm a 49-year resident of the area. I'm a
20 former State of Alaska Fish and Game biologist, both with
21 the sportfish division and later with the commercial fish
22 division. My primary emphasis during my sportfish days
23 was in the Iliamna, Lake Clark and Mulchatna River areas.
24 Prior to that I worked as a seasonal for the University of
25 Washington's Fisheries Research Institute, during which

1 time I ran 22-foot skiffs across Iliamna Lake at night
2 doing transects to catch juvenile sockeye salmon so we
3 could make the FRI salmon forecast.

4 I have six things that I'd like to say at this point
5 in time. The first one -- at least with regard to
6 scoping. The first one is that any waters used for
7 mineral production activities by the Pebble Project must
8 be chemically suitable under U.S. drinking water standards
9 for use as drinking water by humans before being returned
10 to the surface or subsurface waters of the
11 Kvichak/Nushagak drainages. The reason for that is that
12 organisms that spend their entire lives in water are very
13 sensitive to chemical constituents migrating across their
14 permeable membranes. And our fish and wildlife depend
15 extensively on some of the tiniest and most vulnerable of
16 these organisms: copepods, Cladocera, rotifers such as
17 Basminas cyclops, Daphnia, and others of those.

18 Number two, any and all structures on, above, along
19 or over waters in the Kvichak/Nushagak or Lower Cook Inlet
20 drainage must be fish and wildlife friendly to the utmost
21 degree. That includes bridges, culverts, docks, piers,
22 fuel storage tanks, moorings, et cetera.

23 Iliamna Lake is very rough water to navigate at
24 times. It has many reefs and rocks. Some of these are
25 very poorly identified. We found some of them at the

1 University of Washington by hitting them with our props,
2 and we definitely tried not to hit them in the future.
3 Anyway, it's a very tough area to navigate. The winds on
4 it can come up within 10 to 15 minutes and make it go from
5 flat calm to six-foot waves. We don't need any ships
6 sinking in the lake. We don't want to hear of any Edmund
7 Fitzgerald in the middle of the lake.

8 The Bruin Bay/Kokhanok corridor is an extremely
9 windy, turbulent area. Augustine Island Volcano is very
10 active. It's erupted three times in my tenure here:
11 1976, '86, 2005 and '6; early in 2006. There are frequent
12 hurricane force winds that have passed through that notch.
13 We take the Iliamna wind speed and generally used to add
14 30 miles an hour to it when we were going out to try and
15 work on the lake. Many times we couldn't.

16 Any construction along that corridor will require
17 maximum construction and maintenance efforts as mitigation
18 for the unfriendly territory environmentally. East winds
19 during the May to June break-up period on Iliamna Lake
20 propagating from the Kokhanok/Bruin Bay area tend to pile
21 up humongously large piles of ice on the north shore of
22 Iliamna Lake, sometimes 40 to 60 feet high. Sounds like
23 thunder when it's happening. Any docks, piers, vessels
24 that happen to be moored in the vicinity of the mouth of
25 the upper Talarik Creek at that time would be in peril.

1 Recent experiences with gas line leaks in Cook Inlet
2 have shown that repairs can be delayed significantly by
3 drifting ice, big tides, murky waters, as they found out
4 in the oil platform a year ago. Add that to possible
5 Augustine eruptions with pyroclastic flows and ash
6 deposition and earth tremors doesn't make the Amakdedori
7 site for a beach landing look very advantageous. It's
8 somewhat like the Drift River site for the oil storage
9 tanks. It gets flooded when Mt. Redoubt begins to act up.

10 This is the last great sockeye salmon fishing
11 producing area in the world. Screw it up, and there are
12 no more. The world population is getting larger, not
13 smaller, and that means more mouths to feed. So please do
14 your utmost to protect it.

15 And the last comment I have is that whatever you
16 decide with regard to Pebble permits, it's going to affect
17 the entire Bristol Bay region. We have all expressed,
18 about 80 percent of us, our opposition to this, so we will
19 be watching the government's response to see if they
20 accept the will of the people or do something else.

21 Thank you.

22 MR. SHANE MCCOY: Peter Andrews. Peter
23 Andrews?

24 MR. PETER ANDREW: Can I defer for a
25 little while?

1 MR. SHANE MCCOY: It will be to the end.

2 MR. PETER ANDREW: Fine.

3 MR. SHANE MCCOY: Ted Shangin.

4 MR. TED SHANGIN: My name is Ted Shangin.

5 I'm against the Corps because if they go forward with this
6 project, it will affect my subsistence way of living, will
7 kill off the fisheries, will herd off game that is already
8 lowly populated, and this project will bring a lot of
9 outsiders, which will bring unwanted drugs to the
10 community, which I don't want for my kids to be growing up
11 around. I want them to learn the traditional ways of
12 living.

13 So if this project is built, all my cultural ways of
14 living will be lost, and my kids and their kids will never
15 see it again.

16 MR. SHANE MCCOY: Joe Chythlook.

17 MR. JOE CHYTHLOOK: Good afternoon. For a
18 correction, my name is Joe Chythlook. I'm with BBNC, been
19 chairman for several years, been on the board for a number
20 of years. But our shareholder base, Bristol Bay
21 Corporation shareholder base, along with many other
22 residents in Bristol Bay are all communities that will be
23 affected by whatever happens if Pebble Mine is developed.

24 The Nushagak and Kvichak River drainages are
25 downriver from the proposed mine site. So you are talking

1 about affecting people from all the different villages,
2 i.e., Igiugig, Levelock, Naknek, King Salmon, Koliganek,
3 New Stuyahok, Ekwok, Dillingham, Aleknagik, Clark's Point.
4 The risk from the contamination, either from normal
5 operations or an accidental event, is something that we
6 cannot take as a risk. This not only threatens the
7 economic livelihoods of everyone in these communities, but
8 threatens the subsistence lifestyle and health, as well.

9 Gentleman got up there earlier and said that he had
10 been fishing for many years. Many of our families in
11 Bristol Bay have been doing that. Personally, I have been
12 fishing for over 60 years. I'm older than I look. But
13 anyway, commercial fishing industry is the economic
14 backbone of the entire region.

15 The success of the industry depends on Bristol Bay's
16 reputation of pristine salmon habitat. The mere existence
17 of Pebble undercuts the reputation, damages the commercial
18 land, and will hurt the economics of the industry. The
19 EIS needs to consider the damage to that commercial
20 fishing industry that building Pebble will cause.

21 There is no demonstrated need for the Pebble
22 resources. There are alternate resources in the world for
23 gold and copper. Any claim by Pebble that the mine will
24 promote U.S. mineral independence is false. Pebble
25 intends to ship all the materials to market somewhere

1 else, including Asia.

2 The EIS should consider the unique environments in
3 which Pebble is proposed. The mine site and the large
4 drainages downriver of the mine site are entirely wetlands
5 and entirely hydrologically connected. There is no
6 barrier between the surface and the groundwaters in
7 between different water bodies. The EIS must consider
8 that the water quality up in the region is pristine and
9 perfectly suited for the spawning, rearing and life cycles
10 of salmon, a uniquely sensitive species.

11 And then when I was thinking about that, downriver as
12 well are some of the marine mammals that depend on salmon.
13 And anything that brings harm to salmon will also affect
14 many different marine mammals that our people depend on
15 within those bays, Kvichak and Nushagak.

16 The Pebble Limited Partnership has not produced any
17 studies or data regarding existing resources, environment
18 on the south side of Lake Iliamna. I see that they are
19 purporting to move the ore that way. These studies should
20 be proceeded -- precede the EIS process. The Corps should
21 not be considering the permit until PLP does the necessary
22 groundwork.

23 The Pebble Limited Partnership has failed to do any
24 studies to demonstrate the economic feasibility of the
25 mine itself. It is unproductive for the Corps to be

1 considering an application for a project that is
2 economically unproven.

3 And finally, the federal permitting process should be
4 coordinated with the Alaska State agencies that also have
5 permitting authority over the project components.
6 However, the Pebble Limited Partnership has failed to
7 apply for any State permits. The Corps should delay its
8 review until PLP has engaged the necessary State agencies
9 by applying for the required State permits.

10 I guess on a side note, I'm a retired Fish and Game
11 employee. I have listened to many debates on how our
12 resource should be shared by everybody within Bristol Bay.
13 And all of these people that depend on the resource have
14 learned to rely on the Board of Fish and Board of Game
15 process to ensure that we have continued resources that
16 everybody depends on for years. And as a longstanding
17 Alaska Native resident, I will not -- I will fight, I
18 guess, until I get older and maybe pass on to ensure that
19 nothing destroys the country in which we live.

20 So thank you for the opportunity to say a few words
21 today.

22 MR. SHANE MCCOY: Sheila Ring.

23 MS. SHEILA RING: I was told to sign in,
24 so I signed in.

25 MR. SHANE MCCOY: Would you like to

1 testify?

2 MS. SHEILA RING: No.

3 MR. SHANE MCCOY: Daniel O'Hara. As, I
4 guess, a favor to myself, would you reiterate your name
5 and the correct pronunciation.

6 MR. DANIEL O'HARA: My name is Daniel J.
7 O'Hara. And nice to see everybody here. I am the mayor
8 of the Bristol Bay Borough, but I'm not speaking for the
9 borough today, and I'm not speaking for the staff, and I'm
10 not speaking for the borough assembly.

11 But I grew up on -- I was born on Lower Iliamna
12 River. There was about 400 Dena'ina living there at the
13 time, and my grandpa was the mayor, and he had a reindeer
14 herd. And we lived in Pile Bay, and we killed a moose
15 every month to eat. That's a long time ago, so they can't
16 get me on that now. But that's okay.

17 I went to high school in Seattle. Started a little
18 late. Graduated at 20. I went to college. Got married.
19 After college I went up to Boeing Fuel, got my license for
20 maintenance, worked for American Airlines for three years.
21 In 1969 my wife and I moved back to Naknek and raised our
22 family here.

23 Now the -- when I -- I suppose this is the beginning
24 of the permitting process for the Pebble project. Is that
25 right?

1 MR. SHANE MCCOY: That's correct.

2 MR. DANIEL O'HARA: So this is a good time
3 to speak up on this. There has been a lot of good
4 testimony this afternoon on what -- the Koktuli draining
5 into the Mulchatna over into the Nushagak bigger river
6 system and spawning areas. Off in the Lower Talarik and
7 Lake Iliamna massifs, we have had three years of really
8 big, big fishing. Next year -- this year is going to be
9 good, and maybe one year after that. So we have just a
10 phenomenal type of situation in Bristol Bay.

11 I guess what I'd like to speak to is I just heard
12 this -- and it may be true. If not, I'm going to speak
13 into this microphone as testimony -- that there is a
14 possibility of moving the product from Upper Talarik
15 across Lake Iliamna through Kokhanok and over to the Cook
16 Inlet side. And I -- and they are going to use an
17 icebreaker in the winter to move the product.

18 As far as I'm concerned, nothing goes in Lake
19 Iliamna. That just absolutely ran chills up my back when
20 I heard that. I just cannot fathom having that happen.
21 We just heard a retired biologist tell us his experience
22 in Lake Iliamna, and I've heard people give reports about
23 what is in Lake Iliamna, which is -- which very few of us
24 ever hear what is in that lake. We don't know all the
25 species that are in that lake. And I'm sure there is

1 people who have given us reports that there are so many
2 species of fish down there -- of course, the five species
3 of salmon come up. Of course, the big one is the sockeye.
4 And I just can't imagine breaking ice across Lake Iliamna
5 and having that kind of a chance. It just really
6 confirmed to me that this is not a good position.

7 I would just like to mention that I heard this quote,
8 and I wish I would have thought of it myself, but a friend
9 told me one day, he said, my stand is that as far as
10 Koktuli, Mulchatna, Nushagak, Upper Talarik, Lower Talarik
11 and Lake Iliamna, the Pebble Project is not compatible
12 with that -- with those drainages.

13 So thank you very much.

14 MR. SHANE MCCOY: Everett Thompson.

15 MR. EVERETT THOMPSON: My name is Everett
16 Thompson. I live here in Naknek. I'm a fifth generation
17 commercial fisher, which I rely on for my income, and also
18 rely on subsistence activities for my family and I. This
19 year will be my 35th consecutive season fishing in Bristol
20 Bay, and my 14-year-old nephew will be fishing and
21 learning from me again this season, which will make it his
22 third season. We are tribal members here in Naknek, and I
23 personally am a shareholder of four other regional Native
24 corporations.

25 I have some serious concerns about the Pebble Project

1 and the permits they are required to get. I am concerned
2 about the earthen dam holding back the tailings, as they
3 have been known to fail, the 50- to 80-mill liner proposed
4 to use in the tailings ponds being only ten times or less
5 than the vapor barriers being used in my home right now.
6 This is eight-mill paper vapor barrier stacked together.
7 That's too thin for me. I don't see how you could stop
8 acid mine drainage if something happened with that
9 tailings pond around the area.

10 The amount of water used at the mine, I would like to
11 know how much it will drop the water table and see a 3-D
12 picture of it. If they are not going to damage or drop
13 into the Talarik, I would like to see Pebble remove their
14 water permit from that area. So they withdraw that, where
15 they are trying to get that water from. If they are not
16 going to use that now or down the line, then withdraw it,
17 that application.

18 This pit will fill up with water after operations
19 cease, and I don't want to see any of our waterfowl dying
20 in the pit like they have in Butte, Montana.

21 The icebreaker transporting ore across the lake all
22 the time is disrupting the environment of seals, fish and
23 trout within communities across the lake by people; the
24 roads, the culverts affecting fish and compaction of the
25 road possibly disrupting aquifers and water flow; the

1 marketability of our world class salmon, trout and other
2 species; the noisy blasts from the mine disrupting the
3 animals in the area; the dust from the mine and roads;
4 family Native allotments, which we have near Kokhanok and
5 Igiugig; natural gas lines going under Cook Inlet over the
6 land and under Lake Iliamna, and emissions from the power
7 plant, and it may affect the air quality, as well. All
8 problems.

9 The only reason we inhabit this portion of the earth
10 is because of our abundant renewable resources that have
11 been providing for people of the region for 6- to 12,000
12 years. This mine and other mines that will come once the
13 infrastructure is here will forever change and threaten
14 the area and all living things.

15 Most people will talk to you -- most people you talk
16 to around here aren't against mining, but are against
17 mining and putting at risk our lush area and renewable
18 resources. We have had friends, family, elders pass away
19 in the last 14 years fighting for the longevity of our
20 region because they knew keeping the health of the
21 ecosystem was greater than themselves.

22 In closing, I'd like to thank you for coming to our
23 area. Thank you for extending the comment period from 60
24 to 90 days. And please consider extending it to a full
25 six months or more. Our area warrants such scrutiny.

1 Thank you.

2 MR. SHANE MCCOY: Dylan Mancuso.

3 MR. DYLAN MANCUSO: I'm going to take
4 advantage of that extended period. Thank you.

5 MR. SHANE MCCOY: Mellisa.

6 MS. MELLISA MANCUSO: I will, too.

7 MR. SHANE MCCOY: Lindsay Layland.

8 MS. LINDSAY LAYLAND: My name is Lindsay
9 Layland. I'm a resident of Dillingham, Alaska. I was
10 raised in Bristol Bay. And I'm a commercial fisherman
11 and a subsistence hunter, as well. I've long opposed the
12 Pebble Mine because the development of this mine, the
13 supporting infrastructure and the accompanying
14 transportation corridor and natural gas pipeline raise
15 very serious concerns about the potential impacts and
16 effects on our region and beyond.

17 I'd like to start by emphasizing that regardless of
18 the scope that Army Corps determines to be appropriate for
19 this project and regardless of who and where and what you
20 determine to be impacted by this development, this mine
21 will always be the wrong mine in the wrong place. I'm
22 vehemently opposed to Pebble because it poses a
23 substantial threat to how I live and to the traditional
24 way of life that has sustained the people of Bristol Bay
25 for thousands of years.

1 In this comment period, however, you are asking us to
2 speak to concerns that we have regarding the potential
3 scope of this project.

4 So to name a few, it's absolutely critical that the
5 Army Corps of Engineers studies the direct, indirect and
6 cumulative effects of the following: Shifts in and
7 impacts to cultural subsistence and traditional practices
8 such as fishing, ice fishing, trapping, hunting, berry
9 picking at, near, surrounding and downriver of the mine
10 site on the Alaska Peninsula and in the Cook Inlet and
11 Kenai Peninsula regions; human health impacts that are
12 directly and indirectly related to fish and wildlife
13 consumption for residents and communities near,
14 surrounding and downriver of the mine, as well as human
15 health impacts of salmon consumers within and beyond the
16 state of Alaska and the United States; impacts to ground
17 surface and subsurface organisms, including tundra,
18 berries, lichen, grasses, wetlands, algae, and all aquatic
19 species and waterfowl species that may be affected as a
20 result of dust pollution from the construction and
21 operation of the transportation corridor.

22 As Joe mentioned earlier, I'm also confused and
23 concerned by potential impacts from the economics of this
24 mine. Without an economic feasibility study presented by
25 the Pebble Limited Partnership in their application to the

1 Army Corps, I don't know how a proper assessment of that
2 can be done.

3 The Army Corps of Engineers also needs to examine the
4 impacts that development of the Pebble Mine would have on
5 future mining endeavors within the Bristol Bay fisheries
6 reserve. If the Pebble Mine were to be developed, how
7 might it increase or decrease the likelihood of other
8 mines being built at other mineral claims in the
9 surrounding area? How would the development of those
10 projects affect the natural environment of the Bristol Bay
11 region, human health, cultural and subsistence practices,
12 regional and statewide economies, tourism and commercial
13 fishing industries, regional population levels, and the
14 global market of mineral value? None of this is outlined
15 in the Pebble Limited Partnership's application and
16 deserves extensive research and review.

17 While there have been significant research and
18 scientific reviews surrounding this mine proposal on
19 impacts to water and salmon, I urge you to expand the
20 scope of this project to include every individual, every
21 community, and every user group from Nondalton to
22 Koliganek, from Aleknagik to Togiak, from Falls Pass to
23 Voznezenka, and those around the state and the country
24 because -- and those around the state and the country who
25 have any cultural, economic, spiritual, societal, familial

1 or other ties to Bristol Bay. Bristol Bay is no place for
2 the Pebble Mine.

3 And as Everett stated, a 90-day comment period is not
4 nearly significant for this region, as people here are
5 continuously participating in subsistence activities
6 throughout the year. For a proper opportunity, we need at
7 least six months for a project of this size and magnitude
8 in this region. Thank you.

9 MR. SHANE MCCOY: Russell Phelps.

10 MR. RUSSELL PHELPS: Hi. My name is
11 Russell Phelps. I'm a lifelong resident of Naknek,
12 Alaska. And I'm also a commercial fisherman. Originally
13 my family has been set net fishermen, but I just recently
14 purchased a drift boat permit. I subsistence fish and I
15 subsistence hunt.

16 And I'd like to -- I realize this is a scoping --
17 this is for the Corps of Engineers on scoping of the
18 project. And what I'd like the Corps of Engineers to look
19 at is Bristol Bay is the world's largest sockeye fishery.
20 I'd like them to figure out if there is a way to farm
21 sockeye salmon because, as far as I know, there is no way
22 to farm sockeye salmon. And so if you are going to have
23 the mine come in, you could potentially harm the sockeye,
24 which will never return to these rivers like the Kvichak
25 and the Nushagak.

1 The other thing I read about, and I -- and I've heard
2 on the news is that a lot of larger gold and copper mines
3 in the world don't want to see this mine coming in because
4 this mine is going to flood the market so their prices
5 would come down. So I'd like the Corps of Engineers to
6 look into that, as well.

7 I'd like you to look into all the marine mammals that
8 are affected in the region, and not only in the Bristol
9 Bay region, but in the Cook Inlet region, and all the
10 other fish that are in our streams, such as smelt,
11 herring, lake trout, grayling, and rainbow trout.

12 I'd also like to mirror what Joe Chythlook said. I'd
13 like to see the economic study that the Pebble Mine would
14 present to the State.

15 That being said, I hope that I can pass this fishery
16 that I have been fishing my whole life and getting paid
17 since I was nine years old to my family and my family can
18 pass it on to the next generation. Thank you.

19 MR. SHANE MCCOY: George Wilson, Jr.

20 MR. GEORGE WILSON, JR.: Hello. My name
21 is George Wilson, Jr. I'm a lifelong resident of Bristol
22 Bay. And on my dad's side, he came up here -- my
23 grandfather came up here in the early 1900s, and on my
24 mom's side, we have occupied this region since the
25 beginning of mankind. And with that, I take that

1 responsibility very seriously because that's -- I'm
2 entrusted in this environment from my grandparents or my
3 ancestors. And I have three daughters of which I feel
4 responsible for helping to protect this region. I'm a
5 commercial fisherman. I'm a subsistence user. It's very
6 near and dear to my heart, this -- I grew up in Iliamna
7 Lake, in Igiugig, and with that this is a very real. I
8 can't express that enough.

9 I understand the mining industry. Not only am I a
10 commercial fisherman, but I'm a welder and fabricator, and
11 I need raw metals to do my job. But I believe that this
12 mine is in the wrong place for the wrong reasons, and it
13 could impact this fishery like all the other large
14 fisheries that used to exist before Bristol Bay. We are
15 just the last one. We weren't the only one. This is the
16 last large fishery in the world.

17 And thank you.

18 MR. SHANE MCCOY: Russell Nelson.

19 MR. RUSSELL NELSON: Hello. My name is
20 Russell Nelson, and I'm from Dillingham. I grew up here.
21 I was born over in Kanakanak, just right beside
22 Dillingham. And my family is all from there. I grew up
23 fishing commercially and subsistence fishing. I was -- I
24 started flying in 1974, spent six years on the Alaska
25 State Board of Fisheries. And that's a seven-member

1 board. I don't know if you guys are familiar with it, but
2 they make all the fishing regulations for the State of
3 Alaska: methods, means, time and area. So I have a
4 little bit of experience with fisheries, especially in
5 Bristol Bay. You have to be appointed by the governor and
6 confirmed by the House and Senate, so it's a rigorous
7 process. I spent two terms on there.

8 And my large family and most of the residents in
9 Bristol Bay and everybody that I know really depend on the
10 fishery. And all the game animals, too, that run around.
11 And those things really require a clean environment. And
12 that's what makes Bristol Bay so great. We don't have
13 roads all over the place and power lines and people
14 tromping through the streams and running up and down all
15 of them all the time. It's a pretty remote area. That's
16 what makes Bristol Bay so good for having all the fish
17 that we have.

18 I subsistence fish. I fish for king salmon is the
19 main species that I go after in the springtime, and then I
20 go back for sockeye later, and so do most of the people
21 that I know around -- the Nushagak River is a really good
22 producer of king salmon, and it's probably one of the last
23 great producers of king salmon where we are not having
24 trouble with runs. We know the Yukon is coming back a
25 little bit, but the Kenai is in trouble. And it's all

1 because of this pristine environment.

2 And my understanding is that 25 percent of the king
3 salmon that go up the Nushagak River spawn in the north
4 fork of the Kaktuli. That's the headwaters up there where
5 Pebble wants to put a tailings pond, and they want to take
6 some water out of it, also, which will deplete some of
7 those -- one of the most important feeder streams for king
8 salmon along the Nushagak River that we all depend on and
9 hope the fish to come back every year.

10 Looking at -- seeing that there -- the bad metals and
11 the pyrite that's real high in sulfites, and they are
12 going to store it up there on top of it, so they would
13 have to store that for, I don't know -- I guess you can't
14 just store it for 100 years or 1,000 years or 10,000
15 years. You've got to store it forever or it's eventually
16 going to come down and ruin the habitat.

17 I think the Pebble Partnership needs to do like all
18 the other mining companies and show us a plan before they
19 get permits from the Corps of Engineers. You know, they
20 should be -- have to put up enough money for remediation
21 for the worst case scenario. I think the Corps should
22 also evaluate PLP's permit application over a 10,000-year
23 time period because that's how -- its own consultants said
24 it would require monitoring in its 2012 baseline study.
25 If their consultants are telling them it's 10,000 years a

1 study, you guys should be doing the same thing, studying
2 them for 10,000 years. I think we should study them for
3 10,000 years, then see if it's right.

4 I'd like you to please consider all the impacts,
5 including the construction, operation and closure phases.
6 They should have to prove that they are -- a small mine is
7 economically feasible on its own and not come back for an
8 expansion of the mining plan in order to make it
9 profitable.

10 Please don't fast track this project and leave the
11 citizens of the United States of America to pay for
12 another Superfund site. Fast tracking the permit process
13 for a foreign mining company to the detriment of U.S.
14 citizens should be criminal. The United States Corps of
15 Engineers is not meeting its own NEPA obligations.

16 So please, study them for a long time. Make sure
17 that they do all of this stuff, that they are not the
18 first big, giant mine in Alaska that can come in here and
19 get all the permits without even doing their own research
20 and telling us what they are actually going to do.

21 Thank you.

22 MR. SHANE MCCOY: John Christensen.

23 MR. JOHN CHRISTENSEN: Hello. My name is
24 John Christensen. I am the president of the Native
25 Village of Port Heiden. I have some things for the Army

1 Corps to consider. Will the deepwater port get refilled
2 after the project? And where is the dredge material going
3 to be stored? If so, will there be any impact doing that,
4 storing all the material? If not, who will maintain the
5 port if it's not refilled back in?

6 Can you consider the impact on the migrating birds
7 that fly over the area, and the road and mine noises, what
8 that will do to them? The migrating birds' food supply,
9 the berries, bugs, blackfish, plankton will also be
10 affected. And will there be a study on that? Also, will
11 there be seasons of no blasting for the mining so the
12 birds can fly and not be scared away?

13 Also, what kind of crime would be created by the
14 increased population from the mine workers and support
15 personnel? Example of drug use, of opioids, human
16 trafficking, theft and vandalism. Health care would also
17 be affected. Our hospital is already long waits. And is
18 there going to be their own hospital, or will there be a
19 bigger burden on what we have? Also the jails, too, if
20 the -- if there is more crime. Need to do a study on
21 that. And will my taxes be paying for a new hospital and
22 jails, or is the mine going to be doing that? Have you
23 studied this?

24 The road going in, when will that be removed if
25 the -- after the project, and is there a timeline for

1 that? Will there be a study on leaving the road in and
2 what kind of harm would it cause to the migrating animals
3 in the area? Also, is there a plan for the icebreaker
4 barge if something should happen, if it sinks while loaded
5 with ore, like an unbalanced load sinking or punctures due
6 to ice?

7 And that's all I've got.

8 MR. SHANE MCCOY: Jodie Hagenbay?

9 UNIDENTIFIED FEMALE SPEAKER: Hazenberg?

10 MR. SHANE MCCOY: Hazenberg? Yeah, that
11 could be it. Nope? Okay.

12 Cody Lauson.

13 MR. CODY LARSON: Thanks. My name is Cody
14 Larson. Seems like every time I write my name, someone
15 calls me Lauson, so I've got to work on my Rs.

16 So I live in Dillingham. I've lived there for 12
17 years. But I'm testifying today because I'm going to be
18 traveling a bit, and I don't know if I'll have another
19 chance. But in the last 12 years that I've lived in
20 Dillingham, I have been learning about the Bristol Bay way
21 of life, and that's -- that's been what has kept me here.
22 And I'd like to call it my home, but I can't call it my
23 home because it's not my land. It's not where I'm from.
24 A lot of people in the room can say that this is your
25 home.

1 And so the things that I'm speaking to are things
2 that I'm speaking to from my perspective. But the way of
3 life that I have been learning is what's kept me here. I
4 know that the Army Corps of Engineers is looking at the
5 scope of information and for information gaps and things
6 that should be addressed here in this environmental impact
7 statement. And so I wrote down a few things that I want
8 to know and what I think will need to be studied for this
9 20-year project.

10 The first thing, I grew up doing construction, so any
11 good construction project has a timeline. And 20 years
12 isn't that long of a timeline to be pretty specific at
13 when things are going to happen and who is going to be
14 doing them and what's going to happen for missed
15 deadlines. Typically if you have a contractor or
16 something with a missed deadline, there is consequences
17 and there is assurances in place, bonds in place to make
18 sure that those deadlines aren't missed. But this isn't a
19 project. It's not a plan. It's a hypothetical scenario
20 of something that could have -- could take place with
21 minimal impact.

22 So with this hypothetical scenario that's been
23 outlined in the past few months here, some of the
24 questions I would have liked to have had answered in that
25 scenario is what year -- do we have to expect another

1 application for a larger mine, larger mine plan or
2 extension of the mine plan? And that's even if the
3 company changes their name or has a sister company come
4 in. It's still the same area. It's the same body of ore.
5 And so with changes to companies, it doesn't necessarily
6 alleviate the previous company's assurances or bonds that
7 they would have to have through default, bankruptcy, all
8 of the tactics that we have seen around the world.

9 Another couple of adjustments I'd like to see that
10 were in this hypothetical scenario were some of the
11 phrases like until such time that monitoring won't be
12 needed. And so that's, again, not a timeline. It's very
13 vague and open, nothing that you would see in any
14 construction project. I'll be finishing at such time in
15 the future that I think I can finish. So if we have a
16 timeline of 20 years, let's see some deadlines.

17 The other thing I didn't like to see in there is,
18 like, third-party maintenance. Very vague. Like, who is
19 going to be doing this? When are they going to be
20 finished with what they are doing? So anything third
21 party is not taking ownership and saying, we are going to
22 develop this responsibly. It's saying, we will figure it
23 out as we go. That's not a good model for any
24 construction project.

25 As far as logistics or other things that should be

1 considered outside of all of the other ecological impacts
2 are some of the water models that have been put together
3 for even the EPA's assessment to be able to do an
4 assessment. There were only two-dimensional water table
5 models. And so with -- the water system is -- as just far
6 reaching as it is in the area, we need to see 3-D models
7 of the water systems. And those are what need to be used
8 in determining what can go where and when seasonally --
9 very seasonal. So some of the seasonal things that
10 weren't addressed in the hypothetical scenario were
11 seasons of, you know, ice or seasons -- or times of day
12 that smolt are at the top of the water column in Lake
13 Iliamna or at the bottom of the water column in Lake
14 Iliamna. Should they be running ferries all day, all
15 night, just in the mornings, just in the evenings? None
16 of this is outlined in there, but it's pretty basic stuff.

17 You know, for minimal impact we have just got to be
18 looking at what creatures are moving around and how are we
19 going to move around them without creating an impact to
20 them, things that should all be outlined in here.

21 Getting back to the Bristol Bay way of life and those
22 assessments, that's, I think, maybe -- maybe in my mind
23 the most important thing that we should be looking at is,
24 is there going to be an assessment of what our region will
25 look like with a shift in our values because of an

1 industry that's a foreign concept to the people that call
2 this home that are from here. Can we assess what will it
3 be like when our values shift from our land and our waters
4 and those things providing for us continually into the
5 future and the knowledge that we get from the lands and
6 waters that's been passed to us by our parents and
7 generations before us? What will that look like and can
8 we have a model of that? What will it look like when our
9 values shift away from what we have valued here so far?
10 I'd like to see what that looks like.

11 But it certainly should be determined when we are
12 depending on a cash economy over a subsistence economy or
13 something that is -- the focus is more of what can I take
14 from you, here is what you can take from me, versus what
15 can I give to everyone. And that's been the value shift
16 that I've seen -- or the value that I've seen in Bristol
17 Bay, and that's the way of life that I've come to
18 appreciate here.

19 So thanks for your time, and I hope to see a very
20 thorough analysis of things that I've mentioned.

21 MR. SHANE MCCOY: Meganna Schlais.

22 UNIDENTIFIED FEMALE SPEAKER: Schlais
23 [pronunciation].

24 MR. SHANE MCCOY: Sorry. I apologize.
25 Meganna? Pete Carracas. And if you could say your name.

1 MR. PETE CARUSO: Caruso. I wasn't going
2 to say anything, but listening to everybody, I felt maybe
3 I should say something. Pete Caruso, coming up on 40
4 years here in the Naknek area. Set netter, drift
5 fisherman, tender. Listened to a lot of people talk about
6 the economic impact on the Bristol Bay fisheries. I kind
7 of looked at it a little different. A lot of people in
8 this room know that I'm a pretty avid trapper and hunt,
9 like a lot of them. And I was thinking that in Anchorage
10 and in the Lower 48, you guys have activities: Golf,
11 bowling, baseball, football, whatever, go out on the
12 weekends and do your thing. More power to you. Great.

13 Here, we have a different type of activity:
14 Smelting, hunting, various types of hunting, trapping, and
15 that's what keeps us going as we get older. And of
16 course, I hit the 60 mark and I'm still going. If there
17 is a negative impact with the Pebble Mine to the natural
18 resources in the area here, what happens to me and people
19 like me? Our activities go away, and there I'm going to
20 probably sit on the deck of my house which overlooks the
21 Naknek River, which I really enjoy this time of year of
22 watching the swans come in, the geese, the Belugas, the
23 seals. I'll be sitting on the deck of my house watching
24 an empty river go by, and life is going to pass me up.
25 And instead of maybe, with any luck, living to the age of

1 90 or 95 in decent health, maybe I'll kick the bucket at
2 70, 75 because there's no activities.

3 So just keep that in mind for the people in
4 Washington who have a lot of availability to them, and we
5 have very few availabilities to us.

6 Thank you.

7 MR. SHANE MCCOY: Carolann Hester.
8 Carolann? Beth Hill? Anna Hoover.

9 MS. ANNA HOOVER: My name is Anna Hoover.
10 I am a lifelong summer resident of Bristol Bay and a
11 five-year full-time resident. I have a family here. And
12 more than half of my annual income comes from commercial
13 fishing.

14 I am not an overly emotional person, but the subject
15 of protecting Bristol Bay from the threat of the Pebble
16 Mine is one that is so dear to my heart that it more often
17 than not brings me to tears.

18 This is my third time testifying on behalf of our
19 region. In addition to dedicating my master's degree to
20 researching and writing on the subject, the first time I
21 testified was in 2012 alongside friends and community
22 members that are no longer with us to contribute to the
23 conversation.

24 It is my opinion that the fact this is still a
25 conversation rather than a refuge protecting our salmon is

1 heartbreaking; heartbreaking because this feels like the
2 closest we have come to losing this ten-plus-year fight to
3 protect what we love most. We love being a part of a
4 balanced ecosystem that sustains 20,000 jobs and provides
5 direct protein from the wild to human mouths. This
6 economic balance took thousands of years to achieve and
7 would take that amount of time again if it were knocked
8 out of rhythm.

9 We feed our families from the productive waters that
10 surround us. It is our responsibility -- it is our
11 responsibility to take care of these waters that allow us
12 the tradition of pulling trophy-sized salmon out of them,
13 a tradition that has been extinguished in so many other
14 parts of the world. We residents of Bristol Bay are proud
15 to be the home of the last wild commercial sockeye fishery
16 in the world.

17 I think it is important for you to study the
18 commercial fisheries that exist and used to exist in
19 England, Ireland, Iceland, Scotland, California, Oregon
20 and now Washington state, not only the economic and
21 environmental impacts, but the human health and social
22 impacts of the people who participate in those fisheries.

23 We are caregivers of this land, this ecosystem. We
24 are here to ensure our offspring share in the joy of the
25 great wild harvest.

1 Speaking of offspring, it is also important to
2 measure the cumulative impact from the construction,
3 operation and mitigation of the mine, not only for my
4 children's generation, but my children's children and for
5 generations to come. No single one of us deserves the
6 right to erase a way of life, neither of a species of
7 salmon nor of a people.

8 Our way of life, who we are, depends on the health
9 and safety of our land. I wish we had the millions of
10 dollars to hire the marketing team to tell you more
11 eloquently that this beautiful part of the world that we
12 call Bristol Bay has no room for any form of this mine or
13 any like it. What if there is an earthquake similar in
14 magnitude to the 1964 devastating quake that rocked
15 Alaska? We do not want to be the next Los Frailes Mine in
16 Spain or, even closer to home, Mount Polley in British
17 Columbia where the local people are left with a polluted
18 ecosystem surrounding them and a Superfund site with no
19 one being held responsible.

20 And my last closing thought is, what do the next
21 10,000 years look like for our returning salmon?

22 MR. SHANE MCCOY: Eddie Clark.

23 MR. EDDIE CLARK: I want to thank you guys
24 for being here and listening to us. Lifelong resident.
25 Born and raised here. Fished over 60 years here,

1 commercial, subsistence, sports. I do about everything.
2 Really enjoy it here. And like Pete says, the older we
3 get, the more we move, the longer we are going to last.
4 And that's kind of what we do here. We just keep plugging
5 away. And my whole life savings is in my commercial
6 fishing outfit. I'll never retire. My father didn't.
7 And so that's just the way we are.

8 But the economics of fishing, commercial fishing in
9 Bristol Bay -- even the Bristol Bay Borough here, 83
10 percent of the revenue the borough gets is directly from
11 commercial fishing or indirectly from commercial fishing.
12 You know, City of Igiugig, the fish tax, they wouldn't be
13 nothing without it. The Lake and Pen Borough, the school
14 district, they have 17 schools open because of the fish
15 tax. I mean, this whole area would just really be a ghost
16 town, I guess. I don't know. And that's too bad.

17 You know, I'm looking at their new travel plan, and I
18 spent many years in Igiugig in the fall, and it probably
19 blows 100 miles an hour at Lake Iliamna three to five
20 times a year. 100 miles an hour. They want to cross it
21 all the time. That ice gets thick up there. Boy, I don't
22 know.

23 I've asked other people maybe alternate plans and
24 stuff. And there are some alternate plans if something
25 like that has to happen, but Iliamna Lake is pretty

1 precious. It's just the biggest run of sockeye comes out
2 of there, and just messing that up is terrible. Wrong
3 place, wrong time, you know.

4 You look at the map from Kokhanok to Amakdedori on
5 the other side, they are so close to McNeil River, it's
6 unbelievable. I mean the bears and the tourists, but
7 mainly the bears there, just getting there close is
8 unreal.

9 But anyway, I want to thank you. And we have got a
10 good number of people showed up. Wrong place, wrong time.
11 Thanks.

12 MR. SHANE MCCOY: Joshua Gumlickpuk.

13 MR. JOSHUA GUMLICKPUK: So hi. My name is
14 Joshua Gumlickpuk. I am a resident of the Dillingham
15 area. I am currently here doing my student teaching in
16 the building. I have been here since January, and I
17 really grew to love this place. I look forward to coming
18 back to here. But I am currently in my senior year at
19 college.

20 And I just want to talk more about, like, I really
21 don't have any income as a college student here. So
22 really one reason why I want to be a teacher is because
23 you get summers off. And during those summer times --
24 sorry. I'm just -- I get --

25 But during those summer times, I use that time to go

1 back home. And me, my dad and my grandpa do a lot of net
2 hanging, and so we get all the commercial nets ready and
3 stuff like that. And that is just an impact on us,
4 especially with this fishery. So we do all that. It's
5 like a family business. There is me, my dad and my
6 grandpa. It's a three-generation business. And I want to
7 see that going on, and with this proposed Pebble Mine that
8 it would not continue to go on.

9 And on top of that, I am a commercial fisherman here.
10 I have been commercial fishing for about ten years now,
11 and I grew to love it. It's my goal and my dream to get
12 my own permit and to fish and to continue that commercial
13 fishing lifestyle. But besides that, I just want to say I
14 want to see more research and more studies on the impact
15 that this mine could have around the region and around the
16 Cook Inlet region.

17 I want to see -- I want to see more research on how
18 the road connecting from wherever you guys propose that it
19 may happen on, like, dust pollution just because, like, we
20 live off the land and we live off, like, with anything
21 that's in the water system. And I am here because the
22 land cannot speak for itself, and I want to see, like, the
23 impact that the dust pollution, that sound pollution, that
24 anything that -- that anything with the mine that has or
25 that is proposed will have a direct or indirect, like,

1 effect on us.

2 So I don't have anything else to say. Thank you.

3 MR. SHANE MCCOY: Peter Andrews.

4 MR. PETER ANDREW: It's Peter Andrew.

5 There is only one of me. I'm a commercial fisherman,

6 subsistence user, also board of directors of BBNC.

7 I understand this is scoping, so I'd really like to
8 have the Corps of Engineers really take a good, hard look
9 at the mine site itself, look at -- look at the hydrology.
10 I think the hydrology is very critical in this -- in this
11 particular area. You have all heard all of the ifs and
12 whys and why we shouldn't, but it's -- this is going to be
13 based on science.

14 I ask you to take a good look at the watershed
15 assessment that was done. Take a look at the 1.3 million
16 comments throughout the United States and state of Alaska.
17 Take a look at the road corridor. Even on the north side,
18 it's going to cross over some different drainages that are
19 going to be very important, the critical impacts to those
20 streams that produce some of the greatest sportfishing in
21 the world. Need very good science to take a look at that,
22 the impacts of a road and the dust that's going to go on
23 those roads, the crossing of the lake with the proposed
24 ice barges and stuff.

25 In the United States there is only one species of

1 freshwater seals left. I think it's very critical that
2 the Corps takes a good, hard look at science regarding the
3 health and welfare of the seals that are left on that Lake
4 Iliamna. There is no other one that has freshwater seals
5 ever again. I know that the other ones are extinct.

6 The road corridor from the Kokhanok side to the
7 Amakdedori Bay landing, the road corridor is going to run
8 parallel, parallel with the McNeil River sanctuary. The
9 impacts of constructing a road, the impacts of taking and
10 moving heavy equipment across that road 24/7 on the bears.
11 I mean, there is a sanctuary there for a reason. The
12 scientific facts about bear migration, moose migration,
13 all of that.

14 And most importantly, I mean, John said it. It's
15 waterfowl. I mean, we have waterfowl that come --
16 migrating birds that come all the way from South America.
17 We need to make sure that some real, solid science goes
18 into the waterfowl migration.

19 So obviously the -- the social, economic impacts of
20 the region, commercial fishing. In the ten years that we
21 have been here arguing about this mine, the commercial
22 fishery alone has probably generated probably \$1.6 billion
23 into the economy. How is that going to work if you take
24 an equation out? And long-term effects of this mine,
25 the -- if it is permitted, it is going to be a Superfund

1 site.

2 And as far as I know, what little science that I've
3 seen indicates that the -- the ore bodies that are --
4 doesn't have a -- it has no -- the shelf life on it is for
5 forever. So take a good, hard look at that.

6 And please take a good, hard look at the watershed
7 assessment. I mean, nowhere else in the world has a bunch
8 of people ever commented on something like this. This is
9 it. This is the last stand for salmon.

10 Thank you.

11 MR. SHANE MCCOY: Thank you. With that, I
12 don't have any other attendees that would like to speak,
13 at least in front of the audience, the large audience.
14 The court reporter is still available if you would like to
15 provide your comments directly to her. She's here.
16 Otherwise, we will continue the open house through the
17 scheduled time. And again, thank you for your
18 participation.

19 (Off the record.)

20 MR. SHANE MCCOY: We have one more person
21 that would like to provide their comment to the large
22 group.

23 MS. ANNETTE CARUSO: Annette Caruso,
24 Naknek resident. I'm from Levelock and Igiugig. And so
25 just listening to Dick Russell talk about, you know, the

1 danger of the -- Lake Iliamna, you know, I moved to
2 Igiugig when I was eight years old and I graduated there,
3 so living on that lake and being aware of -- you know,
4 that water, you know, once it gets rough or freezes and
5 the ice builds up, like Dick says, I can't imagine them
6 wanting to have docks or trying to ferry whatever across
7 the way over to Amakdedori. I don't want to see that and
8 I don't want them to take the chance of having, you know,
9 some type of spill down there.

10 You know, all of the fish and all the fauna, the
11 birds, the berries, the people that live there, the
12 economic -- the Pebble study fast track, what's the rush?
13 We are from this last lush salmon fishery. We want it to
14 last; not just for my lifetime, for the next hundreds of
15 generations of lifetimes to come. Like Joshua Gumlickpuk
16 said, I chose to get my degree in elementary education so
17 that I could commercial fish in the summers. I wouldn't
18 have to take leave to fish.

19 And I couldn't wait for my dad to take me out on his
20 boat. My family hasn't sold out. We made it through the
21 low salmon runs, through the low prices. And we will
22 continue to do so. You know, I grew up a subsistence
23 user, sports fish user. I love smoking my king strips,
24 canning salmon. I especially love my noodle-vie, the
25 spawned out salmon from Igiugig. Goes really well with

1 the Eskimo ice cream, the berries from that tundra. And I
2 need to thank my grandparents for passing on those values
3 to me and my family.

4 We need to keep the Pebble Mine out. Thank you.

5 MR. SHANE MCCOY: Would anyone else like
6 an option to speak in front of the entire audience? Okay.
7 Well, we will be available for a little bit longer if you
8 guys have any questions that we can answer.

9 UNIDENTIFIED MALE SPEAKER: Do you guys
10 have any questions to ask us?

11 MR. SHANE MCCOY: Not right now. That's
12 not --

13 (Off the record.)

14 MS. JOSEY WOOD: Josey Wood. So when I
15 was looking at the map that had the box on it that showed
16 the area that we lived in, it showed two national parks.
17 And I have been to Brooks Camp a couple of times, and it's
18 an amazing experience. And if something wrong happens, I
19 don't want that to affect the bears or the fish because it
20 was amazing. We got close up and personal with the bears.
21 I have been living here for three years, but I never want
22 to leave.

23 Me and my family, we fish. We don't fish for a
24 living, but we do subsistence fishing with a net, and it's
25 so much fun. I love to eat salmon. And I just don't want

1 this to affect my home and I know -- I wasn't born here,
2 but I just don't want this to affect where I live. I
3 don't want this to affect my home.

4 (Off the record.)

5 MR. PETER ANDREW: You really need to take
6 a good, hard look at the owner of the road corridor and
7 the subsurface corridor of the road on the north side of
8 the lake and the south side of the lake because I think
9 both sides are owned by the regional corporation, a good
10 chunk of them. Okay.

11 (Off the record.)

12 MR. JOHN WISE: My name's John Wise. I'm
13 a commercial fisherman in Naknek. I have three boats. I
14 have a crew of nine people. And they are -- it's the
15 major source of their income is the Bristol Bay salmon
16 fishery.

17 I have been fishing since I was a teenager all over
18 the state of Alaska and elsewhere with all types of gear
19 for all types of fish. And there is no fishery that I
20 have ever seen that can match this one in the Bristol Bay
21 salmon fishery for a number of reasons. It's the last --
22 it's the greatest of our remaining salmon fisheries,
23 without a question. There is -- it's -- there are no
24 hatcheries. It's a completely wild fishery. It's an
25 artisanal fishery, pursued by small businesses, and there

1 is nothing like it anywhere.

2 And I think you can make the argument that it's the
3 greatest fishery left in the world. I think it's in that
4 discussion for all those reasons. It's also the crown
5 jewel of Alaska, of the Alaska fisheries, which are held
6 up worldwide as a model of conservation.

7 And I guess my particular concerns with the EIS, I
8 hope the Corps will take a hard look at the king salmon
9 runs on the Nushagak. The king salmon are in decline all
10 over the West Coast and around the state, and I just -- I
11 feel it's important that -- you know, the Nushagak River
12 is one of the few bright spots remaining for king salmon
13 around the -- around the Pacific Ocean. I fished also on
14 the Kuskokwim River in those salmon fisheries, and they
15 are shut down now due to king salmon declines. There is
16 no fishery. The subsistence fishery is in jeopardy. So
17 king salmon are a huge issue.

18 And then I also wonder about the interconnectedness
19 of all of this and its impact on not just upstream from
20 Naknek, but downstream on the Bristol Bay red crab
21 fishery, on the herring fishery in Togiak, on the cod and
22 pollock. There is so much interconnectedness there that
23 I'm not sure how it could all be taken into account in the
24 environmental impact statement.

25 But I guess I would just say that this -- this area

1 that's -- that's threatened by this mine is a national
2 treasure. And you can put it up against Yosemite and
3 Yellowstone and Grand Canyon any day of the week. And I
4 think it's a world treasure. I think it -- I think it's
5 absolutely vital that we preserve it.

6 That's what I have to say.

7 MS. BECKY SAVO: So there is many aspects
8 of this mine I'd like the Army Corps of Engineers to look
9 at. Number one, it's an incredibly diverse ecosystem.
10 It's the spawning ground for the largest salmon run on the
11 planet. We are the sockeye capital of the world, Bristol
12 Bay Borough is. And we want to stay that way.

13 I'm testifying on my own behalf as a resident. But
14 the entire tax base of the Bristol Bay Borough is based on
15 fish tax. So it's important to the economy here.

16 But there is many aspects of the project that I think
17 the Army Corps of Engineers needs to look closely at.
18 One, it's been identified as a water deficit project. And
19 what that means, according to the Pebble Partnership, is
20 that there is not enough water on site for the mining
21 smelting activities that are planned. So they would be
22 bringing water on site from other sources, which, in my
23 mind, will end up being Lake Iliamna because that is the
24 largest water source close by, unless they drill a lot of
25 wells. So no matter what you do, there is a very shallow

1 water table up there that's pretty fragile.

2 I'd also like you to look at the likelihood of
3 geophysical events there: earthquakes, volcanoes,
4 shifting of ground, climate change. All of those things
5 affect our region. We are in the ring of fire. It's not
6 a good environment to build an earthen dam because of the
7 earthquake threat. Erosion. We have extreme weather,
8 extreme temperature change. So it's a very harsh
9 environment for development, and it's a harsh environment
10 to control in terms of erosion and on-site water retainage
11 and all of those things.

12 The most important thing, really to me is that you
13 look at the Native people as a part of the ecosystem and
14 all the local residents and the dependence on salmon as a
15 cultural aspect of their world, as well as food source.
16 They will not be healthy without salmon. They will not
17 socially be well without salmon.

18 If you really look at this region, everything in this
19 region revolves around salmon. And I do not believe that
20 you can have mining and this volume of salmon fishery
21 exist cohesively together.

22 And when I asked the expert from Pebble Partnership
23 that was a scientist from the University of Washington --
24 which is my alma mater, and I respect the University of
25 Washington -- but when I asked him if he thought they

1 could divert those creeks and still maintain those salmon
2 runs, he said, I hope so. And that's not good enough for
3 me. I don't want to hope so. I want a definite
4 scientific method of how that's going to work.

5 The other thing I want you to look at is heavy metals
6 in wildlife and salmon because any acid leaching is going
7 to put those heavy metals into the water table. And that
8 is the worst possible thing for salmon because it affects
9 their sensory map to get back home to the spawning
10 streams. So I think that's a very important aspect, as
11 well.

12 There is also the economy, obviously. We are pretty
13 much a one-source economy out here, and it all revolves
14 around salmon.

15 I personally have -- my entire family for generations
16 is tied to this fishery. My great uncle was a scientist
17 for the University of Washington and did some of the very
18 first research on salmon in Lake Iliamna and this whole
19 drainage. My dad came here with the Alaska Packers
20 Association because of the connection with my uncle, who
21 got him interested in the fishery. And he was in quality
22 control, and then he started working for the canneries.
23 And then I came up because my dad came up. And then I
24 married someone from here who fished. His whole family
25 fishes. All my kids fish and now my grandkids fish. So

1 it has literally supported our family for four generations
2 now. And I would like to make it be five and six. So
3 that's a concern.

4 Let's see. Do you really specifically want to know
5 what you should research, right? What aspects of the
6 project --

7 MR. SHANE MCCOY: What your specific
8 concerns are.

9 MS. BECKY SAVO: Well, one of my specific
10 concerns is that if you have investors that are from
11 foreign countries, can we really hold them to reclamation?
12 I personally have a degree in landscape architecture,
13 which a lot of reclamation work hires landscape architects
14 to do that work, and I have not seen any of that work
15 performed in the state of Alaska. There is very little
16 reclamation. The BLM did a little bit around the oil
17 industry, but generally the mines here don't do the level
18 of reclamation work that they do in the Lower 48. So I
19 kind of feel like it might become an out-of-sight,
20 out-of-mind situation if the mine -- you know, the mine
21 were abandoned or didn't pan out financially. I'm not
22 sure that I trust foreign entities to be bonded
23 significantly to protect the environment.

24 And I guess lastly, I would just like to say I think
25 that the value in the natural beauty and the raw

1 undeveloped land also has a huge economic value to the
2 state of Alaska. I mean, people come here because of the
3 vast wilderness because it's untouched. It's pristine.
4 You know, the bird watchers, even the hunters, they come
5 because this is the place that hasn't been tampered with
6 yet. And I think that we can associate an economic value
7 with that, right along with the fishery and right along
8 with mining. And I would like to see that considered
9 because oftentimes people don't take into account the
10 value of -- the value of an unsoiled region. And that is
11 what drives our tourism here. And tourism is a very
12 viable industry in Alaska, right along with fishing and
13 mining.

14 I'm not opposed to mining. I'm just opposed to
15 mining here. And I don't really feel like they looked at
16 alternatives to smelt and other areas and to downsize the
17 footprint of the mine.

18 And really the most concerning thing to me is I'd
19 like to call myself an educated resident of Bristol Bay.
20 Where are the plans? When are they going to show us the
21 plans for that mine? You know, I work in permitting and
22 developing, and I want to see it on paper. I want to know
23 the size, the depth, the materials they are bringing in,
24 the people they are going to employ. I want to know every
25 single detail. We know nothing as the residents of

1 Bristol Bay about that mine. And that was a calculated,
2 planned effort on behalf of Pebble Partnership to not
3 share the real guts of the project with the residents of
4 Bristol Bay. And quite frankly, that is an insult to me
5 as a resident.

6 And I also would like to say I'd like to see the
7 scoping process extended. I didn't feel like it was
8 easily identified in the public and advertised enough.
9 And I also feel like coordination always needs to be made
10 with other meetings in the community to make sure that you
11 can get full participation.

12 I'm trying to think. There is a few other things
13 that I really wanted you to address. How the power grid
14 of the project will affect the local residents. You know,
15 how are they going to power that mine? Is it going to be
16 diesel? You know, what's that going to do to the
17 environment?

18 My biggest concern is the water deficit project
19 because that means they are transferring large volumes of
20 water to that project, and that's going to affect the
21 fishery, as well as diverting streams and introducing
22 heavy metals into the environment.

23 Of course, acid runoff. I'd like you to look at
24 that. I'd like you to look at the stability of an earthen
25 dam the size that they are planning, if I even really have

1 the real information on the size of the earthen dam
2 because, again, they have not shared the plans with us.
3 So I would like to really see a full plan set. And I've
4 looked on the website, and I would say it's a conceptual
5 plan, not an engineered plan. So I would think that
6 should be made public before the permitting process. The
7 public should know what they are building. And we don't.

8 Then, of course, all the wonderful wildlife species
9 that are there: the flowers, the tundra, the people, the
10 clean air, the beautiful sky. I don't want to see any of
11 that go away. I'm not opposed to development. I'm just
12 opposed to this scale of development.

13 And I feel sometimes that there has been some kind of
14 threatening tactics around the mine. I've seen entire
15 families divided over the mine. I've seen, you know,
16 people in the community divided about you are either for
17 it or against it. It's had a huge sociological impact on
18 Bristol Bay, the threat of this mine has. And it has
19 divided families. It has divided community members
20 because if you are -- you know, if you are forced to take
21 sides, then you don't agree.

22 And you know, I -- you know, I was insulted when
23 someone came to one of the public meetings and said, well,
24 you know, the welfare benefits are going away and we are
25 going to have to have this mine because we are going to

1 need some jobs. Excuse me? I've worked since I was 13
2 years old. I don't need a mine. I'll just get a job.
3 But I don't need a job in a mine, necessarily. And you
4 know, historically, these kind of projects don't really
5 provide that many jobs for locals, and they usually don't
6 provide the upper level, higher educated jobs. However,
7 we have those people in our workforce, but generally they
8 bring everybody in from outside. You know, they will let
9 you make the beds, drive a truck maybe but, you know, you
10 are not going to be the lead engineer. And we have those
11 skilled Bristol Bay residents that could fill those jobs.

12 So I think that's about all I have to say, really.

13 (Proceedings adjourned at 7:30 p.m.)
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REPORTER'S CERTIFICATE

I, MARY A. VAVRIK, RMR, Notary Public in and for the State of Alaska do hereby certify:

That the foregoing proceedings were taken before me at the time and place herein set forth; that the proceedings were reported stenographically by me and later transcribed under my direction by computer transcription; that the foregoing is a true record of the proceedings taken at that time; and that I am not a party to nor have I any interest in the outcome of the action herein contained.

IN WITNESS WHEREOF, I have hereunto subscribed my hand and affixed my seal this _____ day of April 2018.

MARY A. VAVRIK,
Registered Merit Reporter
Notary Public for Alaska

My Commission Expires: November 5, 2020

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